

Chemical Physics Letters 307 (1999) 533-541



www.elsevier.nl/locate/cplett

## Author index to volume 307

Adamo, C., M. Cossi, G. Scalmani and V. Barone, Accurate static polarizabilities by	
density functional theory: assessment of the PBE0 model	307 (1999) 265
Al-Halabi, A., A.W. Kleyn and G.J. Kroes, New predictions on the sticking of HCl to ice at	
hyperthermal energies	307 (1999) 505
Alcamí, M., A.I. González, O. Mó and M. Yáñez, Performance of density functional theory	
methods for the treatment of metal-ligand dications	307 (1999) 244
Amemiya, T., see Yamamoto, T.	307 (1999) 433
Amoureux, JP., see Pruski, M.	307 (1999) 35
Amutha, R., see Subramanian, V.	307 (1999) 493
Andrieux, M., see Vivien, L.	307 (1999) 317
Anglaret, E., see Vivien, L.	307 (1999) 317
Ayala, P.Y., G.E. Scuseria and A. Savin, Extrapolating the correlation energy	307 (1999) 227
Daniel B. and Window I	207 (1000) 217
Bacou, F., see Vivien, L.	307 (1999) 317
Bailly, A., see Pruski, M.	307 (1999) 35
Barjat, H., see Linden, N.	307 (1999) 198
Barone, V., see Adamo, C.	307 (1999) 265
Bauer, C., P. Jacques and A. Kalt, Investigation of the interaction between a sulfonated azo	207 (1000) 207
dye (AO7) and a TiO <sub>2</sub> surface	307 (1999) 397
Bazalgette, G., see Zaitsevskii, A.	307 (1999) 277
Beginn, U., see Kimmich, R.	307 (1999) 147
Bekiari, V., P. Lianos and P. Judeinstein, Efficient luminescent materials made by incorporation of terbium(III) and 2,2-bipyridine in silica/poly(ethylene oxide) hybrid	
gels	307 (1999) 310
Ben-Itzhak, I., J.P. Bouhnik, B.D. Esry, I. Gertner and B. Rosner, Experimental evidence	
for long-lived HeAr <sup>2+</sup> rare-gas dimers	307 (1999) 287
Berden, G., R. Peeters and G. Meijer, Cavity-enhanced absorption spectroscopy of the 1.5	
μm band system of jet-cooled ammonia	307 (1999) 131
Bernardes, A.T., see Ferreira, B.A.	307 (1999) 95
Bernier, P., see Vivien, L.	307 (1999) 317
Bi, Z., see Wang, R.	307 (1999) 339
Blau, W.J., see Henari, F.Z.	307 (1999) 163
Boča, R., L. Dlháň, W. Linert, H. Ehrenberg, H. Fuess and W. Haase, Ligand sphere-en-	
hanced magnetic anisotropy in cobalt(II) and manganese(II) 2,6-bis-(benzimidazol-2'-	
yl)-pyridine dichloride	307 (1999) 359
Bouhnik, J.P., see Ben-Itzhak, I.	307 (1999) 287

Bower, C., see Gao, B.	307 (1999) 153
Bramwell, S.T., see Khan, A.A.	307 (1999) 320
Braun, M., W. Tuffentsammer, H. Wachtel and H.C. Wolf, Pyrene as emitting chro-	
mophore in organic-inorganic lead halide-based layered perovskites with different	207 (1000) 272
halides	307 (1999) 373
Bravo, R. and F.B.C. Machado, Dissociation energy of the ground state of PCl	307 (1999) 511 307 (1999) 317
Brunet, M., see Vivien, L.	307 (1999) 317
Burrows, H.D., see Monkman, A.P.	307 (1999) 303
Cai, P., see Wang, R.	307 (1999) 339
Calzado, C.J., J.F. Sanz, JP. Malrieu and F. Illas, Ab initio systematic determination of	
the $t-J$ effective Hamiltonian parameters for superconducting Cu-oxides	307 (1999) 102
Carius, HE., see Frunza, S.	307 (1999) 167
Cederbaum, L.S. and J. Zobeley, Ultrafast charge migration by electron correlation	307 (1999) 205
Chan, KY., see Lee, M.	307 (1999) 89
Chan, KY., see Wu, GW.	307 (1999) 419
Chaplin, M.F., see Du, Z.	307 (1999) 413
Chen, J., T.H. Wong and P.D. Kleiber, Spectroscopy and photochemistry of Al <sup>+</sup> (C <sub>2</sub> H <sub>4</sub> )(O <sub>2</sub> )	
clusters	307 (1999) 21
Chen, Y., see Wang, R.	307 (1999) 339
Chitra, K., see Subramanian, V.	307 (1999) 493
Chu, SD., see Li, XS.	307 (1999) 117
Cioslowski, J. and R. Lopez-Boada, The electron-electron repulsion energy as a functional	
of the Hartree-Fock one-electron density matrix	307 (1999) 445
Cossi, M., see Adamo, C.	307 (1999) 265
Costa, S.M.B., see Ferreira, J.A.B.	307 (1999) 139
Csonka, G.I., see Kristyán, S.	307 (1999) 469
De C. Marrel M. and Markeys A.B.	207 (1000) 202
Da G. Miguel, M., see Monkman, A.P.	307 (1999) 303
De Almeida, W.B., see Ferreira, B.A.	307 (1999) 95
Ding, CF., see Wang, XB.  Ding, S. and C.A. McDawell, Quantification of MOMAS anastra of solids containing	307 (1999) 391
Ding, S. and C.A. McDowell, Quantification of MQMAS spectra of solids containing	207 (1000) 215
quadrupolar nuclei	307 (1999) 215
Dlháň, L., see Boča, R.	307 (1999) 359
Dolgounitcheva, O., V.G. Zakrzewski and J.V. Ortiz, Structures and electron detachment	207 (1000) 220
energies of uracil anions Dos Santos, H.F., see Ferreira, B.A.	307 (1999) 220 307 (1999) 95
	307 (1999) 93
Du, Z., L.J. Dunne, M.F. Chaplin and G. Manos, Comparative study of mean-field theory and Monte Carlo simulation of supercritical methane adsorption in zeolites	307 (1999) 413
Dunne, L.J., see Du, Z.	
Dulline, E.J., see Du, Z.	307 (1999) 413
Ehrenberg, H., see Boča, R.	307 (1999) 359
Esry, B.D., see Ben-Itzhak, I.	307 (1999) 287
Farmanara, P., HH. Ritze, V. Stert and W. Radloff, Vibrational wavepacket motion in I2	
excited with femtosecond laser pulses in the 200 nm wavelength region	307 (1999) 1
Fatkullin, N., see Kimmich, R.	307 (1999) 147

Fedrigo, S., T.L. Haslett and M. Moskovits, A new binary carbonyl of iron: the synthesis of	
Fe <sub>4</sub> (CO) <sub>14</sub> by co-deposition of mass-selected Fe <sub>4</sub> with CO	307 (1999) 333
Fernandez, C., see Pruski, M.	307 (1999) 35
Ferreira, B.A., H.F. Dos Santos, A.T. Bernardes, G.G. Silva and W.B. De Almeida, Theoretical study of solvent and temperature effects on the behaviour of poly(ethylene	
oxide) (PEO)	307 (1999) 95
Ferreira, J.A.B. and S.M.B. Costa, Rhodamine 3B+ClO <sub>4</sub> in water:toluene mixtures.	
Evidence of water cluster formation	307 (1999) 139
Fleming, L., see Gao, B.	307 (1999) 153
Freeman, R., see Linden, N.	307 (1999) 198
Fricke, R., see Frunza, S.	307 (1999) 167
Frunza, L., see Frunza, S.	307 (1999) 167
Frunza, S., L. Frunza, A. Schoenhals, HL. Zubowa, H. Kosslick, HE. Carius and R. Fricke, On the confinement of liquid crystals in molecular sieves: dielectric measure-	
ments	307 (1999) 167
Frydman, L., see Madhu, P.K.	307 (1999) 41
Fuess, H., see Boča, R.	307 (1999) 359
Gao, B., A. Kleinhammes, X.P. Tang, C. Bower, L. Fleming, Y. Wu and O. Zhou,	
Electrochemical intercalation of single-walled carbon nanotubes with lithium	307 (1999) 153
Gao, F., see Ren, B.	307 (1999) 55
Gao, X. and T.C. Wong, Comment on "Observation of exchange of small molecules	201 (1777) 22
between phases in a SDS micellar system'	307 (1999) 62
Gertner, I., see Ben-Itzhak, I.	307 (1999) 287
Girshick, S.L., see Swihart, M.T.	307 (1999) 527
Goldbourt, A., see Madhu, P.K.	307 (1999) 41
Gonçalves e Silva, F.R., see Malta, O.L.	307 (1999) 518
González, A.I., see Alcamí, M.	307 (1999) 244
Govindaraj, A., see Satishkumar, B.C.	307 (1999) 158
Goze, C., see Vivien, L.	307 (1999) 317
Grubmüller, H., see Heymann, B.	307 (1999) 425
Gudipati, M.S. and M. Kalb, Rydberg and charge-transfer states of atomic oxygen in Ar	
and Kr matrices: identification of two distinct sites	307 (1999) 27
Guha, D. and S. Mukherjee, Proton transfer reaction of 4-methyl-2,6-diamidophenol in	
some non-polar solvents at room temperature and 77 K	307 (1999) 177
Guo, H., see Xie, D.	307 (1999) 109
Guo, QX., see Li, XS.	307 (1999) 117
Haase, W., see Boča, R.	307 (1999) 359
Hache, F., see Vivien, L.	307 (1999) 317
Hamblett, I., see Monkman, A.P.	307 (1999) 303
Harris, K.D.M., see Khan, A.A.	307 (1999) 320
Harris, K.D.M., see Lee, SO.	307 (1999) 327
Haslett, T.L., see Fedrigo, S.	307 (1999) 333
Hättig, C., see Larsen, H.	307 (1999) 235
Henari, F.Z., H. Manaa, K.P. Kretsch, W.J. Blau, H. Rost, S. Pfeiffer, A. Teuschel, H. Tillmann and H.H. Hörhold, Effective stimulated emission and excited state absorption	307 (1777) 233
measurements in the phenylene-vinylene oligomer (1,4-bis-(alpha-cyanostyryl)-2,5-di- methoxybenzene))	307 (1999) 163

Heymann, B. and H. Grubmüller, Elastic properties of poly(ethylene-glycol) studied by	
molecular dynamics stretching simulations	307 (1999) 425
Hörhold, H.H., see Henari, F.Z.	307 (1999) 163
Hsu, YT., see Lai, LH.	307 (1999) 385
Ichikawa, T., H. Tachikawa, T. Kumada, J. Kumagai and T. Miyazaki, Hydrogen radical	
anions and electron bubbles in solid hydrogen	307 (1999) 283
Ichikawa, T., M. Sumita and J. Kumagai, Relation between the helicity and the ESR	
g-anisotropy of $\sigma$ -conjugated quantum wires	307 (1999) 81
Illas, F., see Calzado, C.J.	307 (1999) 102
Ingamells, V.E., M.G. Papadopoulos and S.G. Raptis, Vibrational effects on the polarizabil-	
ity and second hyperpolarizability of ethylene	307 (1999) 484
Itaya, A., see Miyasaka, H.	307 (1999) 121
Jacques, P., see Bauer, C.	307 (1999) 397
Journet, C., see Vivien, L.	307 (1999) 317
Judeinstein, P., see Bekiari, V.	307 (1999) 310
Kalb, M., see Gudipati, M.S.	307 (1999) 27
Kalt, A., see Bauer, C.	307 (1999) 397
Kariuki, B.M., see Khan, A.A.	307 (1999) 320
Kawai, M., see Nakai, H.	307 (1999) 272
Khan, A.A., S.T. Bramwell, K.D.M. Harris, B.M. Kariuki and M.R. Truter, The design of a	(
molecularly selective capillary based on an incommensurate intergrowth structure	307 (1999) 320
Khanna, S.N., see Pederson, M.R.	307 (1999) 253
Kimmich, R., RO. Seitter, U. Beginn, M. Möller and N. Fatkullin, Field-cycling NMR relaxometry of polymers confined to artificial tubes: verification of the exponent 3/4 in	
the spin-lattice relaxation dispersion predicted by the reptation model	307 (1999) 147
Kinugawa, K., H. Nagao and K. Ohta, Path integral centroid molecular dynamics method	()
for Bose and Fermi statistics: formalism and simulation	307 (1999) 187
Kleiber, P.D., see Chen, J.	307 (1999) 21
Kleinhammes, A., see Gao, B.	307 (1999) 153
Kleyn, A.W., see Al-Halabi, A.	307 (1999) 505
Kornweitz, H. and A. Persky, Modeling the $F + H_2S$ reaction with an $F + HS$ potential	307 (1999) 479
Kosslick, H., see Frunza, S.	307 (1999) 167
Kovačević, B., see Maksić, Z.B.	307 (1999) 497
Kretsch, K.P., see Henari, F.Z.	307 (1999) 163
Kristyán, S. and G.I. Csonka, New development in RECEP (rapid estimation of correlation energy from partial charges) method	307 (1999) 469
Kroes, G.J., see Al-Halabi, A.	307 (1999) 505
Kumada, T., see Ichikawa, T.	307 (1999) 283
Kumagai, J., see Ichikawa, T.	307 (1999) 283
Kumagai, J., see Ichikawa, T.	307 (1999) 81
Kupče, E., see Linden, N.	307 (1999) 198
Lafonta, F., see Vivien, L.	307 (1999) 317
Lai, LH., YT. Hsu and K. Liu, On the H-atom formation after Lyman-α excitation of	
CHF <sub>2</sub> Cl	307 (1999) 385

I WV I CW	207 (1000) (7
Lam, W.Y., see Lee, C.W.	307 (1999) 67
Lang, D.P., see Pruski, M.	307 (1999) 35
Larsen, H., J. Olsen and C. Hättig, Dispersion coefficients for polarizabilities and first and second hyperpolarizabilities using full configuration interaction theory	307 (1999) 235
Lee, C.W., K.S. Wong, W.Y. Lam and B.Z. Tang, Light-emitting properties of stereoregu-	307 (1999) 233
lar cis-rich poly(phenylacetylene)s	307 (1999) 67
Lee, M., KY. Chan, D. Nicholson and S. Zara, Deviation from electroneutrality in	307 (1999) 07
cylindrical pores	307 (1999) 89
Lee, M., see Wu, GW.	307 (1999) 419
Lee, SO. and K.D.M. Harris, Controlling the crystal morphology of one-dimensional	307 (1999) 419
tunnel structures: induced crystallization of alkane/urea inclusion compounds as hexag-	
onal flat plates	307 (1999) 327
Li, XS., L. Liu, QX. Guo, SD. Chu and YC. Liu, PM3 molecular orbital calculations	307 (1777) 327
on the complexation of $\alpha$ -cyclodextrin with acetophenone	307 (1999) 117
Lianos, P., see Bekiari, V.	307 (1999) 310
Linden, N., H. Barjat, E. Kupče and R. Freeman, How to exchange information between	20. (2777) 010
two coupled nuclear spins: the universal SWAP operation	307 (1999) 198
Linert, W., see Boča, R.	307 (1999) 359
Liu, K., see Lai, LH.	307 (1999) 385
Liu, L., see Li, XS.	307 (1999) 117
Liu, YC., see Li, XS.	307 (1999) 117
Longo, R., see Malta, O.L.	307 (1999) 518
Lopez-Boada, R., see Cioslowski, J.	307 (1999) 445
Lu, J., see Wang, R.	307 (1999) 339
Ma, L., see Wang, R.	307 (1999) 339
Machado, F.B.C., see Bravo, R.	
	307 (1999) 511
	307 (1999) 511
Madhu, P.K., A. Goldbourt, L. Frydman and S. Vega, Sensitivity enhancement of the	
	307 (1999) 511 307 (1999) 41 307 (1999) 497
Madhu, P.K., A. Goldbourt, L. Frydman and S. Vega, Sensitivity enhancement of the MQMAS NMR experiment by fast amplitude modulation of the pulses	307 (1999) 41
<ul> <li>Madhu, P.K., A. Goldbourt, L. Frydman and S. Vega, Sensitivity enhancement of the MQMAS NMR experiment by fast amplitude modulation of the pulses</li> <li>Maksić, Z.B. and B. Kovačević, Towards the absolute proton affinities of 20 α-amino acids</li> </ul>	307 (1999) 41 307 (1999) 497
<ul> <li>Madhu, P.K., A. Goldbourt, L. Frydman and S. Vega, Sensitivity enhancement of the MQMAS NMR experiment by fast amplitude modulation of the pulses</li> <li>Maksić, Z.B. and B. Kovačević, Towards the absolute proton affinities of 20 α-amino acids</li> <li>Malrieu, JP., see Calzado, C.J.</li> </ul>	307 (1999) 41 307 (1999) 497
<ul> <li>Madhu, P.K., A. Goldbourt, L. Frydman and S. Vega, Sensitivity enhancement of the MQMAS NMR experiment by fast amplitude modulation of the pulses</li> <li>Maksić, Z.B. and B. Kovačević, Towards the absolute proton affinities of 20 α-amino acids Malrieu, JP., see Calzado, C.J.</li> <li>Malta, O.L., F.R. Gonçalves e Silva and R. Longo, On the dependence of the luminescence</li> </ul>	307 (1999) 41 307 (1999) 497
<ul> <li>Madhu, P.K., A. Goldbourt, L. Frydman and S. Vega, Sensitivity enhancement of the MQMAS NMR experiment by fast amplitude modulation of the pulses</li> <li>Maksić, Z.B. and B. Kovačević, Towards the absolute proton affinities of 20 α-amino acids Malrieu, JP., see Calzado, C.J.</li> <li>Malta, O.L., F.R. Gonçalves e Silva and R. Longo, On the dependence of the luminescence intensity of rare-earth compounds with pressure: a theoretical study of Eu(TTF)<sub>3</sub>2H<sub>2</sub>O</li> </ul>	307 (1999) 41 307 (1999) 497 307 (1999) 102
<ul> <li>Madhu, P.K., A. Goldbourt, L. Frydman and S. Vega, Sensitivity enhancement of the MQMAS NMR experiment by fast amplitude modulation of the pulses</li> <li>Maksić, Z.B. and B. Kovačević, Towards the absolute proton affinities of 20 α-amino acids Malrieu, JP., see Calzado, C.J.</li> <li>Malta, O.L., F.R. Gonçalves e Silva and R. Longo, On the dependence of the luminescence intensity of rare-earth compounds with pressure: a theoretical study of Eu(TTF)<sub>3</sub>2H<sub>2</sub>O in polymeric solution and crystalline phases</li> </ul>	307 (1999) 41 307 (1999) 497 307 (1999) 102 307 (1999) 518
<ul> <li>Madhu, P.K., A. Goldbourt, L. Frydman and S. Vega, Sensitivity enhancement of the MQMAS NMR experiment by fast amplitude modulation of the pulses</li> <li>Maksić, Z.B. and B. Kovačević, Towards the absolute proton affinities of 20 α-amino acids Malrieu, JP., see Calzado, C.J.</li> <li>Malta, O.L., F.R. Gonçalves e Silva and R. Longo, On the dependence of the luminescence intensity of rare-earth compounds with pressure: a theoretical study of Eu(TTF)<sub>3</sub>2H<sub>2</sub>O in polymeric solution and crystalline phases</li> <li>Manaa, H., see Henari, F.Z.</li> </ul>	307 (1999) 41 307 (1999) 497 307 (1999) 102 307 (1999) 518 307 (1999) 163
<ul> <li>Madhu, P.K., A. Goldbourt, L. Frydman and S. Vega, Sensitivity enhancement of the MQMAS NMR experiment by fast amplitude modulation of the pulses</li> <li>Maksić, Z.B. and B. Kovačević, Towards the absolute proton affinities of 20 α-amino acids Malrieu, JP., see Calzado, C.J.</li> <li>Malta, O.L., F.R. Gonçalves e Silva and R. Longo, On the dependence of the luminescence intensity of rare-earth compounds with pressure: a theoretical study of Eu(TTF)<sub>3</sub>2H<sub>2</sub>O in polymeric solution and crystalline phases</li> <li>Manaa, H., see Henari, F.Z.</li> <li>Manos, G., see Du, Z.</li> <li>McDowell, C.A., see Ding, S.</li> <li>Meijer, G., see Berden, G.</li> </ul>	307 (1999) 41 307 (1999) 497 307 (1999) 102 307 (1999) 518 307 (1999) 163 307 (1999) 413
<ul> <li>Madhu, P.K., A. Goldbourt, L. Frydman and S. Vega, Sensitivity enhancement of the MQMAS NMR experiment by fast amplitude modulation of the pulses</li> <li>Maksić, Z.B. and B. Kovačević, Towards the absolute proton affinities of 20 α-amino acids Malrieu, JP., see Calzado, C.J.</li> <li>Malta, O.L., F.R. Gonçalves e Silva and R. Longo, On the dependence of the luminescence intensity of rare-earth compounds with pressure: a theoretical study of Eu(TTF)<sub>3</sub>2H<sub>2</sub>O in polymeric solution and crystalline phases</li> <li>Manaa, H., see Henari, F.Z.</li> <li>Manos, G., see Du, Z.</li> <li>McDowell, C.A., see Ding, S.</li> </ul>	307 (1999) 41 307 (1999) 497 307 (1999) 102 307 (1999) 518 307 (1999) 163 307 (1999) 413 307 (1999) 215
<ul> <li>Madhu, P.K., A. Goldbourt, L. Frydman and S. Vega, Sensitivity enhancement of the MQMAS NMR experiment by fast amplitude modulation of the pulses</li> <li>Maksić, Z.B. and B. Kovačević, Towards the absolute proton affinities of 20 α-amino acids Malrieu, JP., see Calzado, C.J.</li> <li>Malta, O.L., F.R. Gonçalves e Silva and R. Longo, On the dependence of the luminescence intensity of rare-earth compounds with pressure: a theoretical study of Eu(TTF)<sub>3</sub>2H<sub>2</sub>O in polymeric solution and crystalline phases</li> <li>Manaa, H., see Henari, F.Z.</li> <li>Manos, G., see Du, Z.</li> <li>McDowell, C.A., see Ding, S.</li> <li>Meijer, G., see Berden, G.</li> </ul>	307 (1999) 41 307 (1999) 497 307 (1999) 102 307 (1999) 518 307 (1999) 163 307 (1999) 413 307 (1999) 215
<ul> <li>Madhu, P.K., A. Goldbourt, L. Frydman and S. Vega, Sensitivity enhancement of the MQMAS NMR experiment by fast amplitude modulation of the pulses</li> <li>Maksić, Z.B. and B. Kovačević, Towards the absolute proton affinities of 20 α-amino acids</li> <li>Malrieu, JP., see Calzado, C.J.</li> <li>Malta, O.L., F.R. Gonçalves e Silva and R. Longo, On the dependence of the luminescence intensity of rare-earth compounds with pressure: a theoretical study of Eu(TTF)<sub>3</sub>2H<sub>2</sub>O in polymeric solution and crystalline phases</li> <li>Manaa, H., see Henari, F.Z.</li> <li>Manos, G., see Du, Z.</li> <li>McDowell, C.A., see Ding, S.</li> <li>Meijer, G., see Berden, G.</li> <li>Menon, M. and D. Srivastava, Structure of boron nitride nanotubes: tube closing versus</li> </ul>	307 (1999) 41 307 (1999) 497 307 (1999) 102 307 (1999) 518 307 (1999) 163 307 (1999) 413 307 (1999) 215 307 (1999) 131
<ul> <li>Madhu, P.K., A. Goldbourt, L. Frydman and S. Vega, Sensitivity enhancement of the MQMAS NMR experiment by fast amplitude modulation of the pulses</li> <li>Maksić, Z.B. and B. Kovačević, Towards the absolute proton affinities of 20 α-amino acids</li> <li>Malrieu, JP., see Calzado, C.J.</li> <li>Malta, O.L., F.R. Gonçalves e Silva and R. Longo, On the dependence of the luminescence intensity of rare-earth compounds with pressure: a theoretical study of Eu(TTF)<sub>3</sub>2H<sub>2</sub>O in polymeric solution and crystalline phases</li> <li>Manaa, H., see Henari, F.Z.</li> <li>Manos, G., see Du, Z.</li> <li>McDowell, C.A., see Ding, S.</li> <li>Meijer, G., see Berden, G.</li> <li>Menon, M. and D. Srivastava, Structure of boron nitride nanotubes: tube closing versus chirality</li> <li>Miklavc, A., Effects of internal rotations on solvation thermodynamics: their role in the anomalous solvation of amines</li> </ul>	307 (1999) 41 307 (1999) 497 307 (1999) 102 307 (1999) 518 307 (1999) 163 307 (1999) 413 307 (1999) 215 307 (1999) 131 307 (1999) 407 307 (1999) 211
<ul> <li>Madhu, P.K., A. Goldbourt, L. Frydman and S. Vega, Sensitivity enhancement of the MQMAS NMR experiment by fast amplitude modulation of the pulses</li> <li>Maksić, Z.B. and B. Kovačević, Towards the absolute proton affinities of 20 α-amino acids</li> <li>Malrieu, JP., see Calzado, C.J.</li> <li>Malta, O.L., F.R. Gonçalves e Silva and R. Longo, On the dependence of the luminescence intensity of rare-earth compounds with pressure: a theoretical study of Eu(TTF)<sub>3</sub>2H<sub>2</sub>O in polymeric solution and crystalline phases</li> <li>Manaa, H., see Henari, F.Z.</li> <li>Manos, G., see Du, Z.</li> <li>McDowell, C.A., see Ding, S.</li> <li>Meijer, G., see Berden, G.</li> <li>Menon, M. and D. Srivastava, Structure of boron nitride nanotubes: tube closing versus chirality</li> <li>Miklavc, A., Effects of internal rotations on solvation thermodynamics: their role in the anomalous solvation of amines</li> <li>Miller, W.H., see Wang, H.</li> </ul>	307 (1999) 41 307 (1999) 497 307 (1999) 102 307 (1999) 518 307 (1999) 163 307 (1999) 413 307 (1999) 215 307 (1999) 131 307 (1999) 407
<ul> <li>Madhu, P.K., A. Goldbourt, L. Frydman and S. Vega, Sensitivity enhancement of the MQMAS NMR experiment by fast amplitude modulation of the pulses</li> <li>Maksić, Z.B. and B. Kovačević, Towards the absolute proton affinities of 20 α-amino acids</li> <li>Malrieu, JP., see Calzado, C.J.</li> <li>Malta, O.L., F.R. Gonçalves e Silva and R. Longo, On the dependence of the luminescence intensity of rare-earth compounds with pressure: a theoretical study of Eu(TTF)<sub>3</sub>2H<sub>2</sub>O in polymeric solution and crystalline phases</li> <li>Manaa, H., see Henari, F.Z.</li> <li>Manos, G., see Du, Z.</li> <li>McDowell, C.A., see Ding, S.</li> <li>Meijer, G., see Berden, G.</li> <li>Menon, M. and D. Srivastava, Structure of boron nitride nanotubes: tube closing versus chirality</li> <li>Miklavc, A., Effects of internal rotations on solvation thermodynamics: their role in the anomalous solvation of amines</li> <li>Miller, W.H., see Wang, H.</li> <li>Miyasaka, H., A. Itaya, K. Rotkiewicz and K. Rechthaler, Picosecond laser photolysis</li> </ul>	307 (1999) 41 307 (1999) 497 307 (1999) 102 307 (1999) 518 307 (1999) 163 307 (1999) 413 307 (1999) 215 307 (1999) 131 307 (1999) 407 307 (1999) 407 307 (1999) 463
<ul> <li>Madhu, P.K., A. Goldbourt, L. Frydman and S. Vega, Sensitivity enhancement of the MQMAS NMR experiment by fast amplitude modulation of the pulses</li> <li>Maksić, Z.B. and B. Kovačević, Towards the absolute proton affinities of 20 α-amino acids</li> <li>Malrieu, JP., see Calzado, C.J.</li> <li>Malta, O.L., F.R. Gonçalves e Silva and R. Longo, On the dependence of the luminescence intensity of rare-earth compounds with pressure: a theoretical study of Eu(TTF)<sub>3</sub>2H<sub>2</sub>O in polymeric solution and crystalline phases</li> <li>Manaa, H., see Henari, F.Z.</li> <li>Manos, G., see Du, Z.</li> <li>McDowell, C.A., see Ding, S.</li> <li>Meijer, G., see Berden, G.</li> <li>Menon, M. and D. Srivastava, Structure of boron nitride nanotubes: tube closing versus chirality</li> <li>Miklavc, A., Effects of internal rotations on solvation thermodynamics: their role in the anomalous solvation of amines</li> <li>Miller, W.H., see Wang, H.</li> <li>Miyasaka, H., A. Itaya, K. Rotkiewicz and K. Rechthaler, Picosecond laser photolysis studies of DMA-DMPP in solution</li> </ul>	307 (1999) 41 307 (1999) 497 307 (1999) 102 307 (1999) 518 307 (1999) 163 307 (1999) 413 307 (1999) 215 307 (1999) 131 307 (1999) 407 307 (1999) 407 307 (1999) 463 307 (1999) 121
<ul> <li>Madhu, P.K., A. Goldbourt, L. Frydman and S. Vega, Sensitivity enhancement of the MQMAS NMR experiment by fast amplitude modulation of the pulses</li> <li>Maksić, Z.B. and B. Kovačević, Towards the absolute proton affinities of 20 α-amino acids</li> <li>Malrieu, JP., see Calzado, C.J.</li> <li>Malta, O.L., F.R. Gonçalves e Silva and R. Longo, On the dependence of the luminescence intensity of rare-earth compounds with pressure: a theoretical study of Eu(TTF)<sub>3</sub>2H<sub>2</sub>O in polymeric solution and crystalline phases</li> <li>Manaa, H., see Henari, F.Z.</li> <li>Manos, G., see Du, Z.</li> <li>McDowell, C.A., see Ding, S.</li> <li>Meijer, G., see Berden, G.</li> <li>Menon, M. and D. Srivastava, Structure of boron nitride nanotubes: tube closing versus chirality</li> <li>Miklavc, A., Effects of internal rotations on solvation thermodynamics: their role in the anomalous solvation of amines</li> <li>Miller, W.H., see Wang, H.</li> <li>Miyasaka, H., A. Itaya, K. Rotkiewicz and K. Rechthaler, Picosecond laser photolysis</li> </ul>	307 (1999) 41 307 (1999) 497 307 (1999) 102 307 (1999) 518 307 (1999) 163 307 (1999) 413 307 (1999) 215 307 (1999) 131 307 (1999) 407 307 (1999) 407 307 (1999) 463

Möller, M., see Kimmich, R.	307 (1999) 147
Monkman, A.P., H.D. Burrows, M. da G. Miguel, I. Hamblett and S. Navaratnam, Measurement of the $S_0-T_1$ energy gap in poly(2-methoxy,5-(2'-ethyl-hexoxy)-p-phenyl-	
enevinglene) by triplet-triplet energy transfer	307 (1999) 303
Moskovits, M., see Fedrigo, S.	307 (1999) 333
Mukherjee, S., see Guha, D.	307 (1999) 177
Mukicijec, S., see Guia, D.	307 (1777) 177
Nagao, H., see Kinugawa, K.	307 (1999) 187
Nakaema, M.K.K. and R. Sanches, Electron transfer in a disordered polymeric system:	
fluorescence spectroscopy study	307 (1999) 367
Nakai, H. and M. Kawai, Nature of the change in the rotational barrier of the methyl group	
due to $S_0 \rightarrow S_1$ excitation	307 (1999) 272
Nakamura, S., see Takegoshi, K.	307 (1999) 295
Navaratnam, S., see Monkman, A.P.	307 (1999) 303
Nicholson, D., see Lee, M.	307 (1999) 89
Nishimura, Y., I. Yamazaki, M. Yamamoto and N. Ohta, Measurements of the electric-	
field-induced change in fluorescence decay profile of methylene-linked carbazole and	
terephthalic acid methyl ester in a PMMA polymer film	307 (1999) 8
Ohmori, T., see Yamamoto, T.	307 (1999) 433
Ohta, K., see Kinugawa, K.	307 (1999) 187
Ohta, N., see Nishimura, Y.	307 (1999) 8
O'Keefe, A., J.J. Scherer and J.B. Paul, cw Integrated cavity output spectroscopy	307 (1999) 343
Olsen, J., see Larsen, H.	307 (1999) 235
Orlemann, C., C. Schulz and J. Wolfrum, NO-flow tagging by photodissociation of NO <sub>2</sub> . A	301 (1))) 233
new approach for measuring small-scale flow structures	307 (1999) 15
Ortiz, J.V., see Dolgounitcheva, O.	307 (1999) 220
	()
Papadopoulos, M.G., see Ingamells, V.E.	307 (1999) 484
Paul, J.B., see O'Keefe, A.	307 (1999) 343
Pederson, M.R. and S.N. Khanna, Electronic and geometrical structure and magnetic	
ordering in passivated Mn <sub>12</sub> O <sub>12</sub> -acetate nanomagnets	307 (1999) 253
Peeters, R., see Berden, G.	307 (1999) 131
Peng, T., see Zhang, D.H.	307 (1999) 453
Persky, A., see Kornweitz, H.	307 (1999) 479
Pfeiffer, S., see Henari, F.Z.	307 (1999) 163
Phillips, D.L., see Zheng, X.	307 (1999) 350
Pruski, M., A. Bailly, D.P. Lang, JP. Amoureux and C. Fernandez, Studies of heteronu-	
clear dipolar interactions between spin-1/2 and quadrupolar nuclei by using REDOR	
during multiple quantum evolution	307 (1999) 35
Radloff, W., see Farmanara, P.	307 (1999) 1
Rao, C.N.R., see Satishkumar, B.C.	307 (1999) 158
Raptis, S.G., see Ingamells, V.E.	307 (1999) 484
Rechthaler, K., see Miyasaka, H.	307 (1999) 121
Ren, B., F. Gao, Z. Tong and Y. Yan, Solvent polarity scale on the fluorescence spectra of	201 (2277) 121
a dansyl monomer copolymerizable in aqueous media	307 (1999) 55
Riehl, D., see Vivien, L.	307 (1999) 317
, , , , , , , , , , , , , , , , , , ,	() 0.1

Ritze, HH., see Farmanara, P.	307 (1999) 1
Rosner, B., see Ben-Itzhak, I.	307 (1999) 287
Rost, H., see Henari, F.Z.	307 (1999) 163
Rotkiewicz, K., see Miyasaka, H.	307 (1999) 121
Rutkowski, A., Iterative solution of the one-electron Dirac equation based on the Bloch	
equation of the 'direct perturbation theory'	307 (1999) 259
Sanches, R., see Nakaema, M.K.K.	307 (1999) 367
Sankar, S., see Subramanian, V.	307 (1999) 493
Sanz, J.F., see Calzado, C.J.	307 (1999) 102
Satishkumar, B.C., A. Govindaraj and C.N.R. Rao, Bundles of aligned carbon nanotubes	307 (1999) 102
obtained by the pyrolysis of ferrocene-hydrocarbon mixtures: role of the metal nanopar-	
ticles produced in situ	307 (1999) 158
Savin, A., see Ayala, P.Y.	307 (1999) 227
Scalmani, G., see Adamo, C.	307 (1999) 265
Scherer, J.J., see O'Keefe, A.	307 (1999) 343
Schoenhals, A., see Frunza, S.	307 (1999) 167
Schulz, C., see Orlemann, C.	307 (1999) 15
Scuseria, G.E., see Ayala, P.Y.	307 (1999) 227
Seitter, RO., see Kimmich, R.	307 (1999) 147
Sibert III, E.L., A perturbative treatment of classical vibrational-translational energy	501 (1333) 111
transfer in collinear collisions of an atom and a diatomic molecule	307 (1999) 437
Silva, G.G., see Ferreira, B.A.	307 (1999) 95
Sivanesan, D., see Subramanian, V.	307 (1999) 493
Srivastava, D., see Menon, M.	307 (1999) 407
Stert, V., see Farmanara, P.	307 (1999) 1
Subramanian, V., K. Chitra, D. Sivanesan, R. Amutha and S. Sankar, Ab initio potential	
energy surface of the NeCO complex	307 (1999) 493
Sumita, M., see Ichikawa, T.	307 (1999) 81
Sun, Z., see Wang, Z.	307 (1999) 75
Swihart, M.T. and S.L. Girshick, Ab initio structures and energetics of selected hydro-	
genated silicon clusters containing six to ten silicon atoms	307 (1999) 527
Tashibawa H saa lahibawa T	307 (1999) 283
Tachikawa, H., see Ichikawa, T.	307 (1999) 283
Takayanagi, T., see Yokoyama, A.	307 (1999) 46
Takegoshi, K., S. Nakamura and T. Terao, <sup>13</sup> C- <sup>13</sup> C polarization transfer by resonant interference recoupling under magic-angle spinning in solid-state NMR	307 (1999) 295
Tang, B.Z., see Lee, C.W.	307 (1999) 67
Tang, X.P., see Gao, B.	307 (1999) 153
Teichteil, C., see Zaitsevskii, A.	307 (1999) 277
Terao, T., see Takegoshi, K.	307 (1999) 295
Teuschel, A., see Henari, F.Z.	307 (1999) 163
Tillmann, H., see Henari, F.Z.	307 (1999) 163
Tong, Z., see Ren, B.	307 (1999) 55
Truter, M.R., see Khan, A.A.	307 (1999) 320
Tuffentsammer, W., see Braun, M.	307 (1999) 373

Vega, S., see Madhu, P.K.	307 (1999) 41
Vigué, J., see Zaitsevskii, A.	307 (1999) 277
Vivien, L., E. Anglaret, D. Riehl, F. Bacou, C. Journet, C. Goze, M. Andrieux, M. Brunet, F. Lafonta, P. Bernier and F. Hache, Single-wall carbon nanotubes for optical limiting	307 (1999) 317
Wachtel, H., see Braun, M.	307 (1999) 373
Wang, D.Y., see Zhang, D.H.	307 (1999) 453
Wang, H. and W.H. Miller, Analytic continuation of real-time correlation functions to	
obtain thermal rate constants for chemical reaction	307 (1999) 463
Wang, LS., see Wang, XB.	307 (1999) 391
Wang, R., Y. Chen, P. Cai, J. Lu, Z. Bi, X. Yang and L. Ma, Optical heterodyne velocity	207 (1000) 220
modulation spectroscopy enhanced by a magnetic rotation effect	307 (1999) 339
Wang, XB., CF. Ding and LS. Wang, Electron tunneling through the repulsive	307 (1999) 391
Coulomb barrier in photodetachment of multiply charged anions	307 (1999) 391
Wang, Z., S. Yin, X. Yang, Z. Sun, X. Xu and X. Zhang, Interchain charge-transfer states in poly[(2,5-diphenylene-1,3,4-oxadiazole)-4,4'-vinylene] (O-PPV) oligomer	307 (1999) 75
Wolf, H.C., see Braun, M.	307 (1999) 373
Wolfrum, J., see Orlemann, C.	307 (1999) 15
Wong, K.S., see Lee, C.W.	307 (1999) 67
Wong, T.C., see Gao, X.	307 (1999) 62
Wong, T.H., see Chen, J.	307 (1999) 21
Wu, GW., M. Lee and KY. Chan, Grand canonical Monte Carlo simulation of an	
electrolyte with a solvent primitive model	307 (1999) 419
Wu, Y., see Gao, B.	307 (1999) 153
Xie, D. and H. Guo, A refined near-equilibrium potential energy surface and the absorption	
spectrum of OClO(Ã <sup>2</sup> A <sub>2</sub> )	307 (1999) 109
Xu, X., see Wang, Z.	307 (1999) 75
124, 124, 500 · · · · · · · · · · · · · · · · · ·	
Yamaguchi, T., see Yamamoto, T.	307 (1999) 433
Yamamoto, M., see Nishimura, Y.	307 (1999) 8
Yamamoto, T., T. Amemiya, T. Ohmori and T. Yamaguchi, A numerical study on the	
effect of second harmonics in the perturbation to the Belousov-Zhabotinsky system	307 (1999) 433
Yamazaki, I., see Nishimura, Y.	307 (1999) 8
Yan, Y., see Ren, B.	307 (1999) 55
Yáñez, M., see Alcamí, M.	307 (1999) 244
Yang, X., see Wang, R.	307 (1999) 339
Yang, X., see Wang, Z.	307 (1999) 75
Yin, S., see Wang, Z.	307 (1999) 75
Yokoyama, A. and T. Takayanagi, Rotational and vibrational energy distributions of HCl produced by three- and four-center eliminations of HCl from halogenated ethanes	307 (1999) 48
Zaitsevskii, A., C. Teichteil, J. Vigué and G. Bazalgette, Quasirelativistic transition	
moment calculations using the multipartitioning perturbation theory: $B0^+(^3\Pi) \rightarrow$	
$X0^{+}(^{1}\Sigma^{+})$ transitions in IF and ICl	307 (1999) 277
Zakrzewski, V.G., see Dolgounitcheva, O.	307 (1999) 220
Zara, S., see Lee, M.	307 (1999) 89

Zhang, D.H., D.Y. Wang, T. Peng and J.Z.H. Zhang, Ab initio SOFA quantum dynamics	
for chemical reaction	307 (1999) 453
Zhang, J.Z.H., see Zhang, D.H.	307 (1999) 453
Zhang, X., see Wang, Z.	307 (1999) 75
Zheng, X. and D.L. Phillips, Phase-dependent conformation selection of axial and equato-	
rial forms of iodocyclopentane	307 (1999) 350
Zhitneva, G.P., A comparison of the infrared multiphoton dissociation of C <sub>3</sub> H <sub>5</sub> C(CH <sub>3</sub> ) <sub>3</sub>	
and $C_3H_5Ge(CH_3)_3$	307 (1999) 379
Zhou, O., see Gao, B.	307 (1999) 153
Zobeley, J., see Cederbaum, L.S.	307 (1999) 205
Zubowa, HL., see Frunza, S.	307 (1999) 167

